

**REMARKS**

Entry of this Amendment and reconsideration are respectfully requested in view of the remarks made herein.

Claims 1-22 are pending. Claims 1-15 and 20-22 stand rejected. Claims 17-19 are allowed. Claim 10 has been amended.

Claims 1-15 and 20-22 stand rejected under 35 USC 112, first paragraph for failing to comply with the written description requirement. The Office Action states that "[c]laims 1, 10 and 20 are not clear from the specification or diagrams how the antennas are configured to perform the function...While on page 7 of the specification, lines 11-15 disclose that both antennas are configured to receive a portion of the preamble, it does not disclose how this is achieved."

Applicant respectfully disagrees with and explicitly traverses the reason for rejecting the claims. More specifically, the method of providing information to a first and second antenna is more clearly stated on page 8, lines 10-18 ("[u]pon receiving the preamble information, the first antenna 12 calculates the mean-squared error (MSE) of the first 84 symbols of the preamble by comparing the actual preamble sequence received therein with the reference preamble sequence. The input is then switched to the second antenna 14, which calculates the MSE of the next 88 symbols.").

Accordingly, the written description clearly recites in sufficient detail for one skilled in the art to practice the invention wherein the first antenna receives a first portion of the preamble and the second antenna receives a second portion of the preamble.

Having shown that the written description provides sufficient information to teach the subject matter recited in the claims, applicant submits that the reason for the rejection has been overcome. Applicant respectfully requests that the rejection be withdrawn and the claims allowed.

With regard to the remaining independent claims, these claims recite subject matter similar to that recited in claim 1 and were rejected for the same reason used in rejecting claim 1. Thus, for the remarks made in response to the rejection of claim 1, which are also applicable in response to the rejection of these claims, and reasserted, as if

in full, herein, applicant submits that the reason for rejecting these claims has been overcome and the rejection can no longer be sustained. Applicant respectfully requests withdrawal of the rejection and allowance of the claims.

With regard the remaining dependent claims these claims ultimately depend from the independent claims, which have been shown to contain subject matter not disclosed by, and, hence, allowable over, the reference cited. Thus, these claims are also allowable by virtue of their dependency from an allowable base claim.

Claim 10 stands rejected under 35 USC 112, second paragraph as being indefinite for failing to particularly point out the subject matter regarded as the invention. The Office Action states that the limitation "the header information" lacks antecedent basis.

Applicant thanks the examiner for his observation and has amended claim 10 to explicitly state that the plurality of incoming signals includes header information. No new matter has been added. Support for the amendment may be found at least on page 7 lines 12-13, which state "a plurality of incoming data signals which contains preamble header information."

Having amended claim 10, applicant believes that the reason for the rejection has been overcome and respectfully requests the rejection be withdrawn.

Applicant thanks the examiner for the indication of allowable subject matter in claims 17-19. However for the amendments made to the claims and for the remarks made herein, applicant believes that all the claims are in an allowable form.

For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

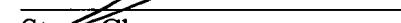
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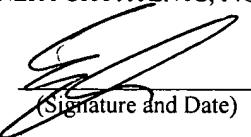
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